

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H02J/00 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H02J H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 323 775 B1 (HANSSON HANS MAGNUS) 27 November 2001 (2001-11-27) column 4, line 14 – column 6, line 36 column 7, lines 27-57	1-3, 5-14, 16, 17, 19-23, 26, 27, 29, 30, 32-38
Y		4, 15, 28, 31, 39
Y	US 5 963 012 A (PATINO JOSEPH ET AL) 5 October 1999 (1999-10-05) column 2, lines 30-59	4, 15, 28, 31, 39

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

15 September 2004

Date of mailing of the International search report

22/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

de Biolley, L

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	US 6 665 549 B1 (REED JOHN DOUGLAS) 16 December 2003 (2003-12-16) columns 2-4 -----	1-3, 5, 9, 16, 19-23, 29, 30, 32
A	US 6 429 622 B1 (SVENSSON LARS) 6 August 2002 (2002-08-06) column 6, line 53 - column 7, line 42 -----	1, 19, 29
A	US 5 596 567 A (DEMURRO DAVID M ET AL) 21 January 1997 (1997-01-21) column 2, lines 36-63 -----	1, 19, 29

Information on patent family members

International Application No
.../IB2004/001907

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6323775	B1	27-11-2001	AU CN WO EP JP	6989700 A 1377518 T 0111752 A1 1203435 A1 2003506995 T		05-03-2001 30-10-2002 15-02-2001 08-05-2002 18-02-2003
US 5963012	A	05-10-1999		NONE		
US 6665549	B1	16-12-2003		NONE		
US 6429622	B1	06-08-2002		NONE		
US 5596567	A	21-01-1997	WO	9630960 A1		03-10-1996